

Claims

- [c1] The *MLS-HFS* information in this specification is the embodiment of the claims.
- [c2] The system according to clam1 further enhances the production of Hydroxyls based on the configuration of the Hydroxyl gas producing apparatuses *Fig 3*.
- [c3] The system according to clam1 further enhances the production of hydroxyls based on the configuration of the impedance matching circuits *Fig 4*.
- [c4] The system according to clam1 further enhances the production of hydroxyls based on the application of the electrical signals *Fig 5* applied to signal traveling waveguides 132 submersed in a bath of water 133 installed in cell 120 and configured as depicted in *Fig-3*.
- [c5] The system according to clam1 further enhances the production of hydroxyls based on the resonating action of electrical signals depicted in *Fig 6*.
- [c6] The system according to clam1 further enhances the production of hydroxyls based on the software program 75 ability to control the production of hydroxyl gases;

controlling its process limits, controlling its storage and controlling its delivery via operator controller *Fig-2*.

[c7] The software program 75 according to clam 6 further enhances the safety of the production of hydroxyls based on the monitoring of high and low limits and either alerting the operator of the condition/s and/or stopping the production on device failures via operator controller *Fig-2*.

[c8] The software according to clam 6 further enhances the safety of the production of hydroxyls based on its ability to purge the system of ambient air before starting the production of hydroxyl gases.